

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : HITACHI LTD

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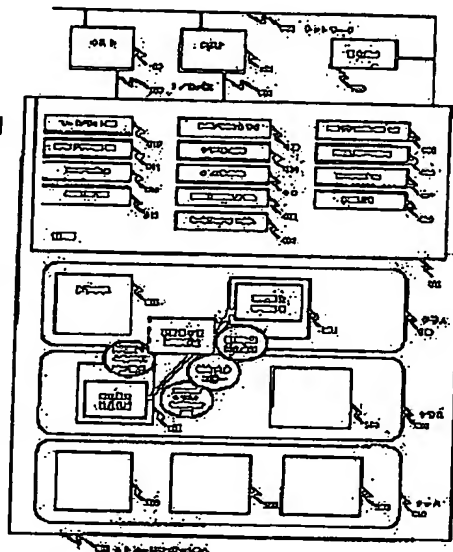
(72)Inventor : ARAKAWA TAKASHI
 MOGI KAZUHIKO
 YAMAKAMI KENJI
 ARAI HIROHARU

(54) STORAGE SUB-SYSTEM AND ITS CONTROL METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To simplify a work for optimizing arrangement by re-arrangement by the user of a disk array system or the like by changing the correspondence of a logical storage area from a physical storage area into the second physical storage area and executing re-arrangement.

SOLUTION: A control part 300 automatically executes re-arrangement execution processing at the set time and date. That is, the part 300 copies contents stored in a re-arrangement source physical area in a re-arrangement destination physical area based on re-arrangement information 408. Moreover, at the point of time when the copying is completed and the whole contents of the re-arrangement source physical area are reflected in the re-arrangement destination physical area, the control part 300 changes a physical area corresponding to a logical area for executing re-arrangement in logical/physical correspondence information 400 from the re-arrangement source physical area into the re-arrangement destination physical area. Besides, the control part 300 uses the re-arrangement destination physical area on a non-usage physical area 1470, changes the re-arrangement source physical area into the non-usage one and, moreover, updates the time and date of re-arrangement execution time information 406 into the one for a next time by referring to time and date updating information on re-arrangement execution time information 406.



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